

CROWELL & MORING, L.L.P.
Intellectual Property Group
P.O. Box 14300
Washington, D.C. 20044-4300
(202) 624-2500

November 19, 2003

22388 U.S. PTO
10/715379
111903

Mail Stop PATENT APPLICATION

Commissioner for Patents
Washington, D.C. 20231

CUSTOMER NO. 23911

Re: New U.S. Patent Appln.
Our Ref: 056207.52942US

Sir:

Transmitted herewith for filing is the patent application of:

Satoru SHIGETA; Yuuji MAEDA; Junichi SAKANO; and Shinji SHIRAKAWA;

entitled:

**INTERFACE CIRCUIT WITH POWER CONVERTER WITH INTERFACE CIRCUIT AND
ELECTRIC VEHICLE WITH POWER CONVERTER**

Enclosed are:

1. Specification, including 20 Claims (pages 1-51).
2. 6 Sheets of drawings showing Figures 1-11.
3. X Declaration and Power of Attorney (Executed - 4 pages).
4. X Application Data Sheet (2 pages).
5. X Assignment with cover sheet to Hitachi, Ltd., Tokyo, Japan.
6. X Information Disclosure Statement w/ 1 reference.
7. Certified copy of Priority Document 2002-336098 filed in Japan on 20 November 2002 (20.11.2002), the priority of which is being claimed under 35 U.S.C. §119 and 37 C.F.R. §1.55.
8. The filing fee has been calculated as shown below:

Basic Fee						\$385/770	=	\$770.00	
Total Claims	<u>20</u>	-	20	=	<u>0</u>	x	\$9/18	=	\$
Independent Claims	<u>5</u>	-	3	=	<u>2</u>	x	\$43/86	=	\$172.00
Multiple Dependent Claim Presented							\$145/290	=	\$
Total Filing Fee								=	<u>\$942.00</u>

Two checks in the amount of \$942.00 for the filing fee and \$40.00 for the assignment recording fee are enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 05-1323 (Docket #056204.52942US). A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Gary R. Edwards
Registration No. 31,824

GRE:kms